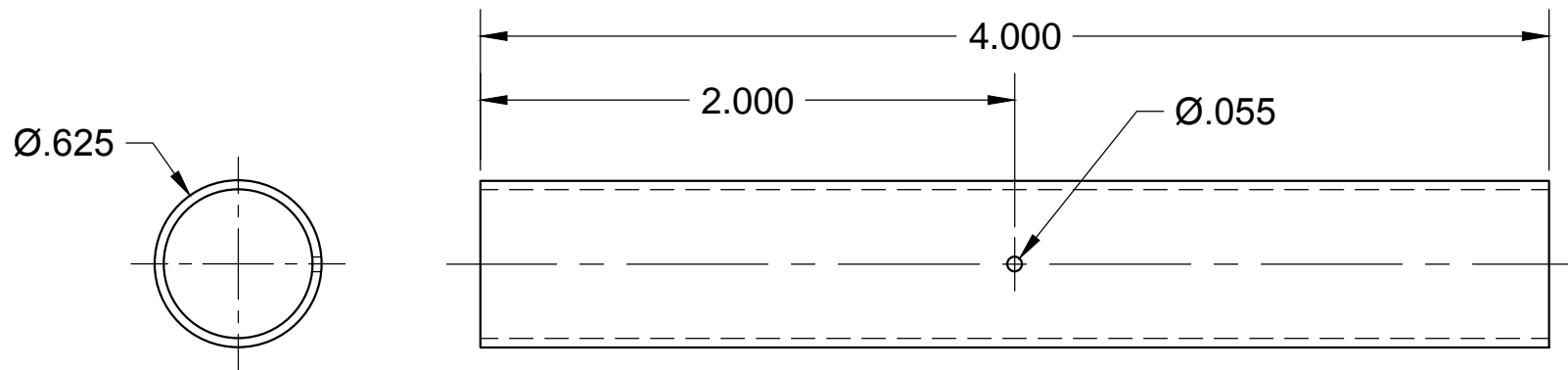



REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
2	CH'D Ø.055 HOLE TO SHOW THRU ONE SIDE ONLY P/N -11, CH'D DIA. -.9 FROM Ø.453 TO Ø.4735 -.4730, CH'D HOLE DIA. FROM .472 TO Ø.4725 -.4720 P/N -1 PER W.P. CH'D HOLE FROM Ø.136 TO Ø.193 P/N -3 & -5 TO ACCOMMODATE #10 SCREW PER R.W.	10/8/10	RJC	RW



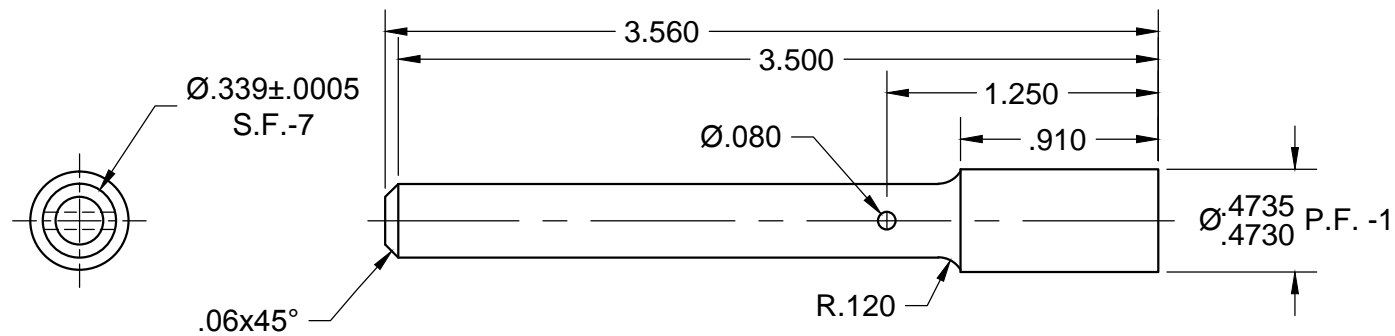
-11

LINE HANDLE

NOTE:
ALTERNATIVE -7 BUSHING IS HS61010SP4531R341 x 2380

 RED BARN MACHINE	
TITLE MAIN ROTOR PHASING TOOL	
DWG NO. RBD29919-501-11	REV 2A
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON: DECIMALS .XXX ± .005 .XX ± .01 X ± .1	DRAWN BY: PERRITT APPROVED <i>D Weil</i> HEAT TREAT FINISH SPEC
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	USED ON MODEL MD 500
SCALE NTS	DATE 10-10-06 SHEET 7 of 7

REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
2	CH'D Ø.055 HOLE TO SHOW THRU ONE SIDE ONLY P/N -11, CH'D DIA. -.9 FROM Ø.453 TO Ø.4735 -.4730, CH'D HOLE DIA. FROM .472 TO Ø.4725 -.4720 P/N -1 PER W.P. CH'D HOLE FROM Ø.136 TO Ø.193 P/N -3 & -5 TO ACCOMODATE #10 SCREW PER R.W.	10/8/10	RJC	RW

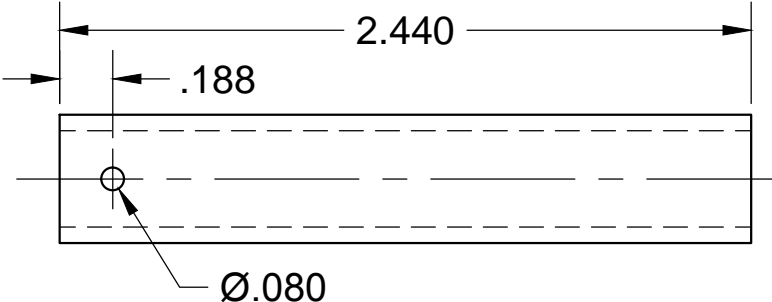
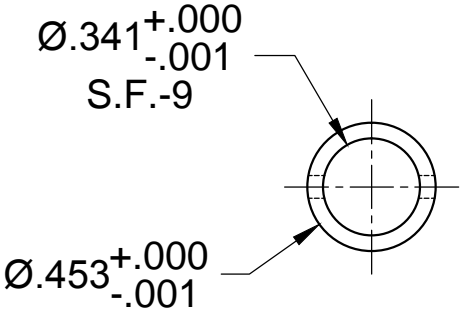


-9
PIN

NOTE:
ALTERNATIVE -7 BUSHING IS HS61010SP4531R341 x 2380


RED BARN MACHINE	
TITLE MAIN ROTOR PHASING TOOL	
DWG NO. RBD29919-501-9	REV 2A
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON: DECIMALS .XXX ± .005 .XX ± .01 .X ± .1	DRAWN BY: PERRITT APPROVED: <i>D Weil</i> HEAT TREAT FINISH BLACK OXIDE SPEC USED ON MODEL MD 500
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	SCALE NTS DATE 10-10-06 SHEET 6 of 7

REVISIONS				
REV	DESCRIPTION		DATE	INITIAL
1	-7 EXTENDED .060 TO MAINTAIN ASSEMBLY DIMENSIONS.		10/10/06	

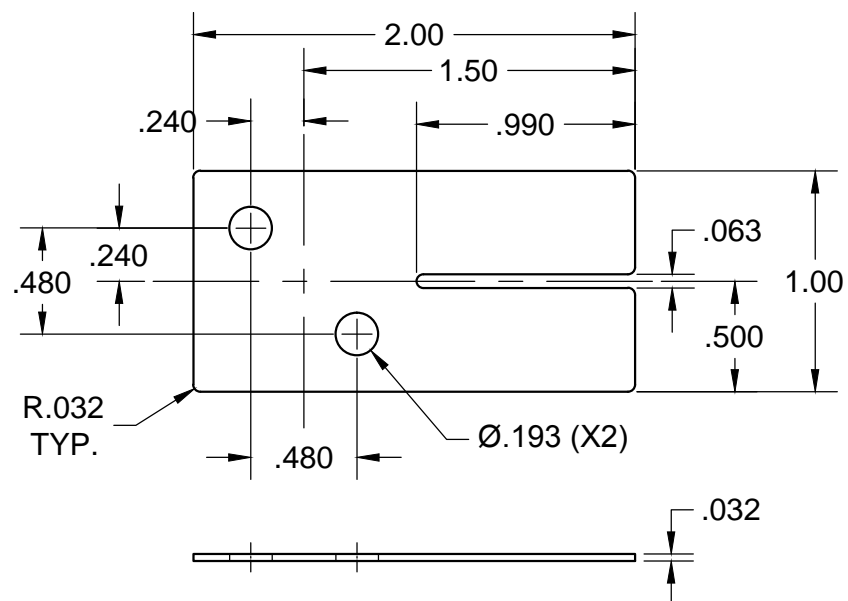


-7

BUSHING

<div>  RED BARN MACHINE </div>			
TITLE MAIN ROTOR PHASING TOOL			
DWG NO. RBD29919-501-7			REV 2A
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON: DECIMALS .XXX ± .005 .XX ± .01 .X ± .1		DRAWN BY: PERRITT APPROVED: <i>D. Wed</i> HEAT TREAT FINISH BLACK OXIDE SPEC	
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING		USED ON MODEL MD 500	
SCALE NTS	DATE 10-10-06	SHEET 5 of 7	

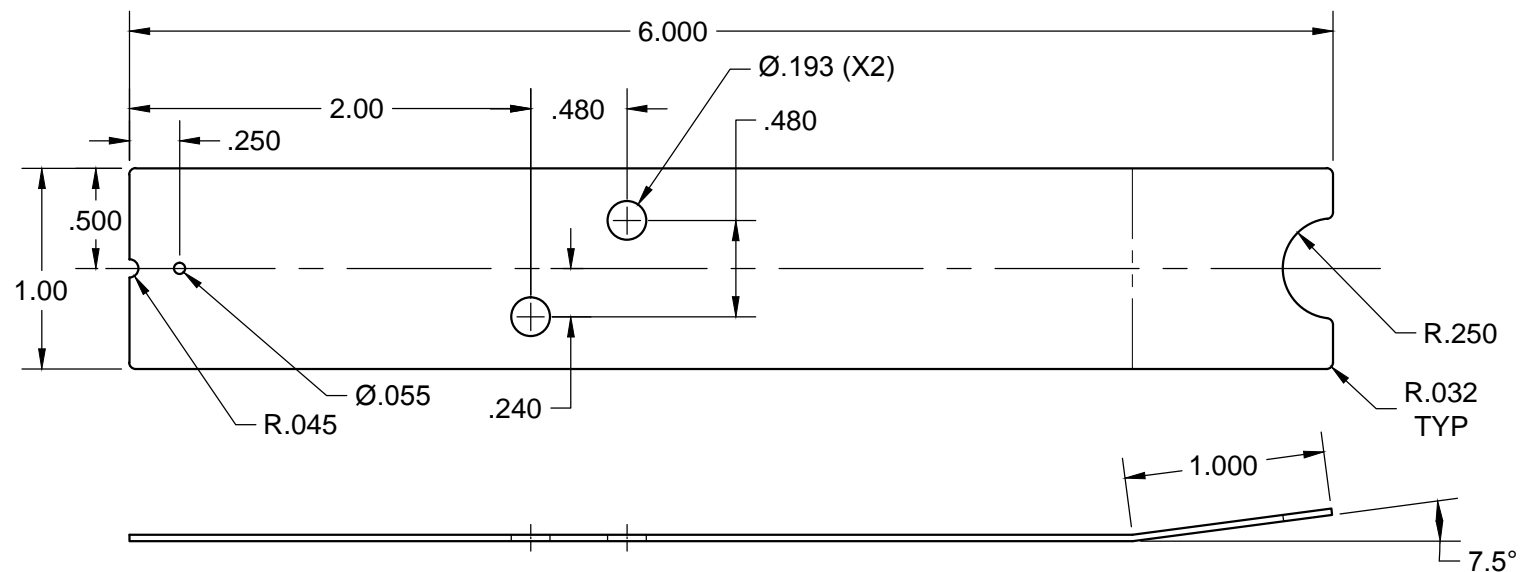
REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVE
2	CH'D Ø.055 HOLE TO SHOW THRU ONE SIDE ONLY P/N -11, CH'D DIA. -9 FROM Ø.453 TO Ø.4735 - .4730, CH'D HOLE DIA. FROM .472 TO Ø.4725 - .4720 P/N -1 PER W.P. CH'D HOLE FROM Ø.136 TO Ø.193 P/N -3 & -5 TO ACCOMMODATE #10 SCREW PER R.W.	10/8/10	RJC	RW



(5)
END PLATE

RED BARN MACHINE	
TITLE MAIN ROTOR PHASING TOOL	
DWG NO. RBD29919-501-5	REV 2A
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON: DECIMALS .XXX ± .005 .XX ± .01 .X ± .1 FRACTIONS ± 1/32 ANGLES ± 5°	DRAWN BY: PERRITT APPROVED <i>D Wed</i> HEAT TREAT FINISH SPEC USED ON MODEL MD 500
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
SCALE NTS	DATE 10-10-06 SHEET 4 of 7

REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVE
2	CH'D Ø.055 HOLE TO SHOW THRU ONE SIDE ONLY P/N -11, CH'D DIA. -9 FROM Ø.453 TO Ø.4735 - .4730, CH'D HOLE DIA. FROM .472 TO Ø.4725 - .4720 P/N -1 PER W.P. CH'D HOLE FROM Ø.136 TO Ø.193 P/N -3 & -5 TO ACCOMMODATE #10 SCREW PER R.W.	10/8/10	RJC	RW

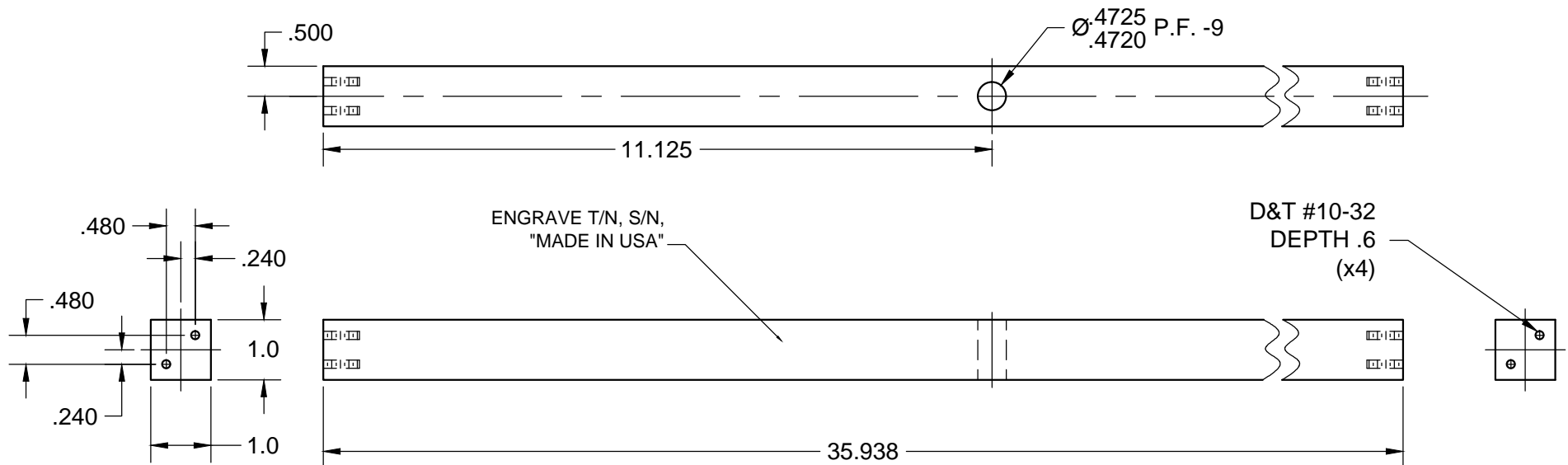


-3

END PLATE

RED BARN MACHINE	
TITLE MAIN ROTOR PHASING TOOL	
DWG NO. RBD29919-501-3	REV 2A
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON: DECIMALS .XXX ± .005 .XX ± .01 .X ± .1 FRACTIONS ± 1/32 ANGLES ± .5°	DRAWN BY: PERRITT APPROVED: <i>D. Med</i> HEAT TREAT FINISH SPEC USED ON MODEL MD 500
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
SCALE NTS	DATE 10-10-06 SHEET 3 of 7

REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
2	CH'D ϕ .055 HOLE TO SHOW THRU ONE SIDE ONLY P/N -11, CH'D DIA. -.9 FROM ϕ .453 TO ϕ .4735 -.4730, CH'D HOLE DIA. FROM .472 TO ϕ .4725 -.4720 P/N -1 PER W.P. CH'D HOLE FROM ϕ .136 TO ϕ .193 P/N -3 & -5 TO ACCOMODATE #10 SCREW PER R.W.	10/8/10	RJC	RW
2A	ADDED ENGRAVE NOTE -1 PER R.W.	2/17/11	RJC	RW

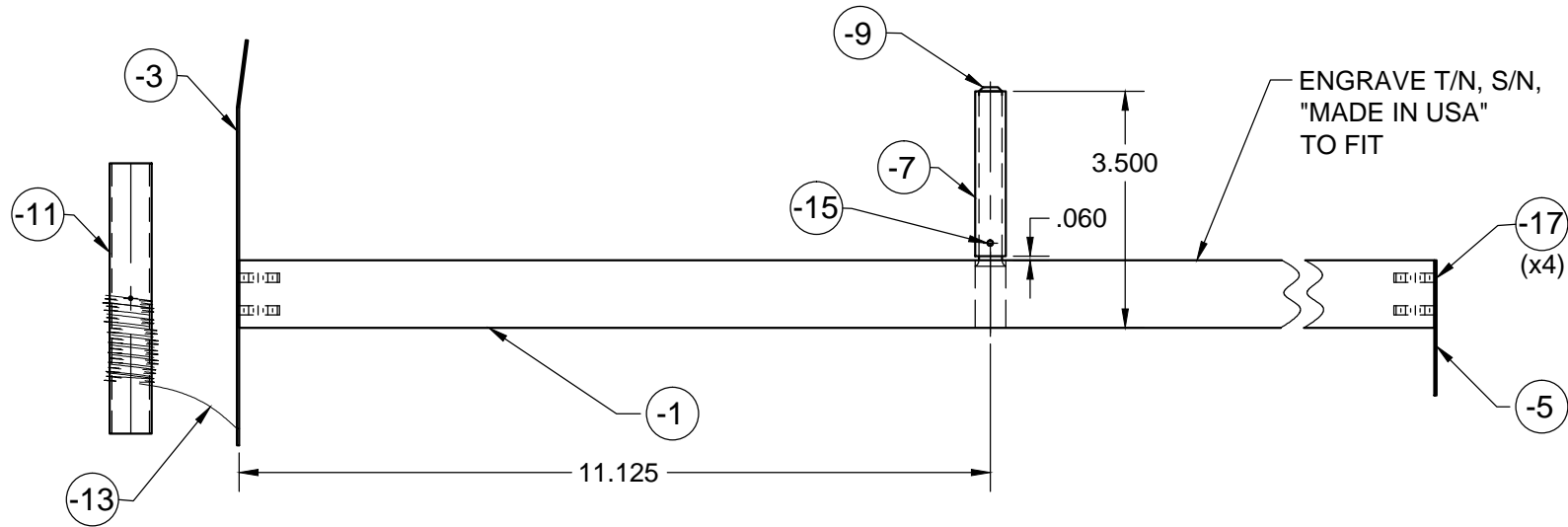


-1
BAR

RED BARN MACHINE	
TITLE MAIN ROTOR PHASING TOOL	
DWG NO. RBD29919-501-1	REV 2A
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
TOLERANCES ON: DECIMALS .XXX \pm .005 .XX \pm .01 .X \pm .1	
FRACTIONS \pm 1/32 ANGLES \pm 5°	
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES 015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
SCALE NTS	DATE 10-10-06
SHEET 2 of 7	
DRAWN BY: PERRITT	
APPROVED <i>D Weil</i>	
HEAT TREAT FINISH POWDER COAT YELLOW RIBBON	
SPEC T-692039	
USED ON MODEL MD 500	

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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
1	-7 EXTENDED .060 TO MAINTAIN ASSEMBLY DIMENSIONS.	10/10/06		
1A	CH'D TITLEBLOCK & REVISION BLOCK.	12/8/09	RJC	RW
2	CH'D Ø.055 HOLE TO SHOW THRU ONE SIDE ONLY P/N -11, CH'D DIA. -9 FROM Ø.453 TO Ø.4735 - .4730, CH'D HOLE DIA. FROM .472 TO Ø.4725 - .4720 P/N -1 PER W.P. CH'D HOLE FROM Ø.136 TO Ø.193 P/N -3 & -5 TO ACCOMODATE #10 SCREW PER R.W.	10/8/10	RJC	RW
2A	ADDED ENGRAVE NOTE -1 PER R.W.	2/17/11	RJC	RW



ASSY QTY	ASSY QTY	B/O	PART #	QTY	DESCRIPTION	MATERIAL	B/O INFORMATION OR SPECIFICATIONS	Pg.
			-1	1	BAR	6061 SQ. BAR	1 x 1 x 36	2
			-3	1	END PLATE	S.S.	.032 x 1 x 6	3
			-5	1	END PLATE	S.S.	.032 x 1 x 2	4
			-7	1	BUSHING	C.D.S TUBING	Ø1/2 O.D. x .188 WALL x 2-1/2	5
			-9	1	PIN	1018	Ø1/2 x 3-5/8	6
			-11	1	LINE HANDLE	6061 TUBE	Ø5/8 O.D. x .069 WALL x 4	7
		B/O	-13	1	NYLON LINE		Ø.030 x 5 ft.	1
		B/O	-15	1	COTTER PIN		Ø.06 x 1	1
		B/O	-17	4	B.H. PHILLIPS SCREW	S.S.	#10-32 x 3/8	1

RED BARN MACHINE	
TITLE MAIN ROTOR PHASING TOOL	
DWG NO. RBD29919-501	REV 2A
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON: DECIMALS .XXX ± .005 .XX ± .01 .X ± .1	DRAWN BY: PERRITT APPROVED <i>D Weil</i> HEAT TREAT FINISH SPEC
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	USED ON MODEL MD 500
SCALE NTS	DATE 10-10-06
SHEET 1 of 7	

NOT APPROVED FOR PRODUCTION

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED

PART #	QTY	DESCRIPTION
-1	1	41L40 Ø5/8 x 3/4

USED ON MODEL
?

DRAWN BY: PERRITT
APPROVED
HEAT TREAT
FINISH SPEC
BLACK OXIDE
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES ON: DECIMALS
.XXX ± .005 FRACTIONS ± 1/32
.XX ± .01 ANGLES ± 5°
.X ± .1
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING

RB RED BARN MACHINE	
TITLE	
DWG NO.	PART #
SCALE NTS	DATE 7-14-06 SHEET 1 of 1

NOT APPROVED FOR PRODUCTION

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED

PART #	QTY	DESCRIPTION
-1	1	4140 3/16 x 1 1/2 x 4

DRAWN BY: PERRITT	<div>RB</div> RED BARN MACHINE		
CHECKED	TITLE		
HEAT TREAT	TITLE		
FINISH SPEC	TITLE		
USED ON MODEL ?	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		REV.
	TOLERANCES ON:		
	DECIMALS .XXX ± .005 FRACTIONS ± 1/32		
	.XX ± .01 ANGLES ± .5°		DWG NO. PART #
	.X ± .1		SCALE NTS DATE 7-14-06 SHEET 1 of 1
	UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING		